

 **NEMCO**  
Concept to Production Electronics

CONCEPT TO PRODUCTION ELECTRONICS

# Medical Sector

Complete PCB solutions, from prototyping and assembly to  
volume production and supply chain management.



## Full-service CEM for the medical sector

Nemco has served the medical sector for many years, with our expertise being relied on when it mattered most. Our state-of-the-art facilities enable us to produce for these critically important projects, such as helping to supply ventilators in the Covid-19 pandemic. We understand the need for the highest standards of quality and service to successfully serve this sector.

## Helping pioneer medical innovations

At Nemco, we are proud to have a long history of partnering with pioneering medical and laboratory equipment companies. For decades, our capabilities and experience have supported customers across the entire product development journey - from early concept to volume manufacturing. Nemco's state-of-the-art facilities enable us to support the complete journey from concept to production.

Our expertise in medical technology runs deep. We understand the unique requirements of components destined for critical medical settings. Rigorous quality control and our on-site testing facility ensures our parts consistently meet the highest standards of reliability and performance.



## Delivering when it matters most

Nemco understands the critical role that the medical sector plays and the importance of ensuring the highest standards are met. This was demonstrated clearly during the UK Ventilator Challenge. Faced with surging national demand for ventilators during the Covid-19 crisis, Nemco rapidly designed test equipment and manufactured over 24,000 PCB assemblies under extreme time pressure.

Our agility and commitment to quality was crucial in equipping the NHS to save lives when it mattered most. We are proud of our work in the medical sector and have shown we have what it takes to deliver, even under extreme pressure.

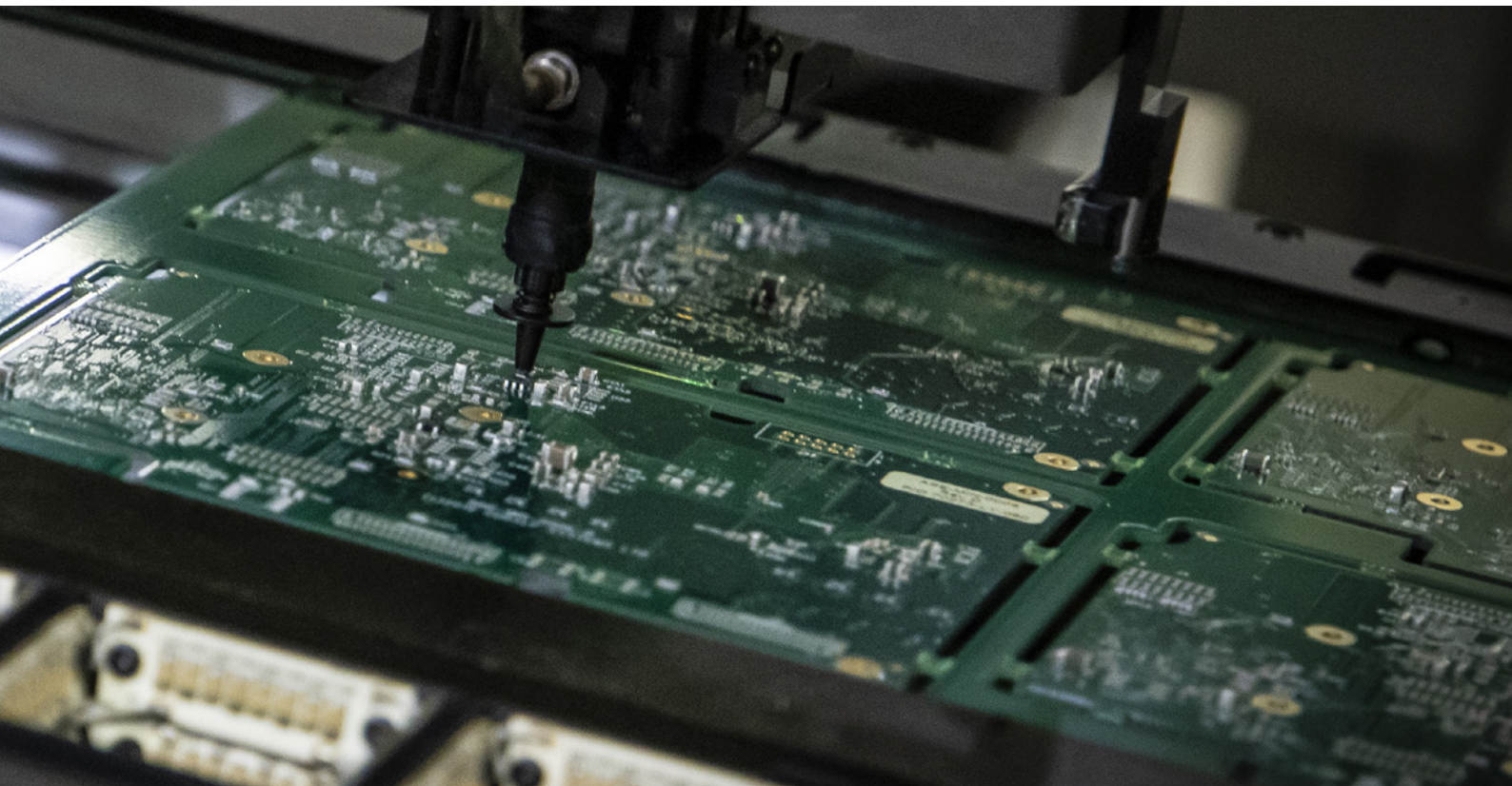
## Customer-focused quality

With comprehensive services including design support, prototyping, and assembly of complex PCBAs, we enable medical innovations to advance from ideas into reality. Our culture of continuous improvement means we are always ready to take on new challenges for the medical industry as technology evolves.

This same dedication and flexibility defines our work with every customer, large or small. With ISO 9001, 14001 and AS9100 certification affirming our rigorous quality management system, customers can trust Nemco to deliver components suitable for the most sensitive and critical medical settings.

## Take the next step in your medical project with Nemco

If you are looking to advance innovation in medical devices or laboratory equipment, leverage Nemco's expertise and take your project to the next level. Contact us today to learn more about our full range of design, testing, and manufacturing services.





## Critical application capabilities

### Cleanroom

Our Cleanroom measures 6Mx6M and operates under the BS EN ISO 14644-1:2015 cleanroom standard, it has a classification of ISO 7 which means that the air drawn into the room using HEPA (High Efficiency Particulate Air) filtration, provides a controlled environment for airborne particles and changes between 60 and 90 times per hour.

The cleanroom provides a production environment with controlled airborne contamination which is essential for a wide variety of electronic, optics and other critical manufacturing assemblies to ensure that sensitive products are not harmed during the manufacturing process.

### Conformal coating

Conformal coatings are widely used in the electronics industry for environmental protection of PCBs from humidity, corrosive gases and solvents, dust, sand, and other contaminants.

At Nemco we have two purpose built, ventilated Conformal Coating rooms, one used for the application of Silicon material and the other for Acrylics. Each of these rooms contain their own spraying equipment machinery, tooling, and material storage.



## Trusted by so many for PCBs

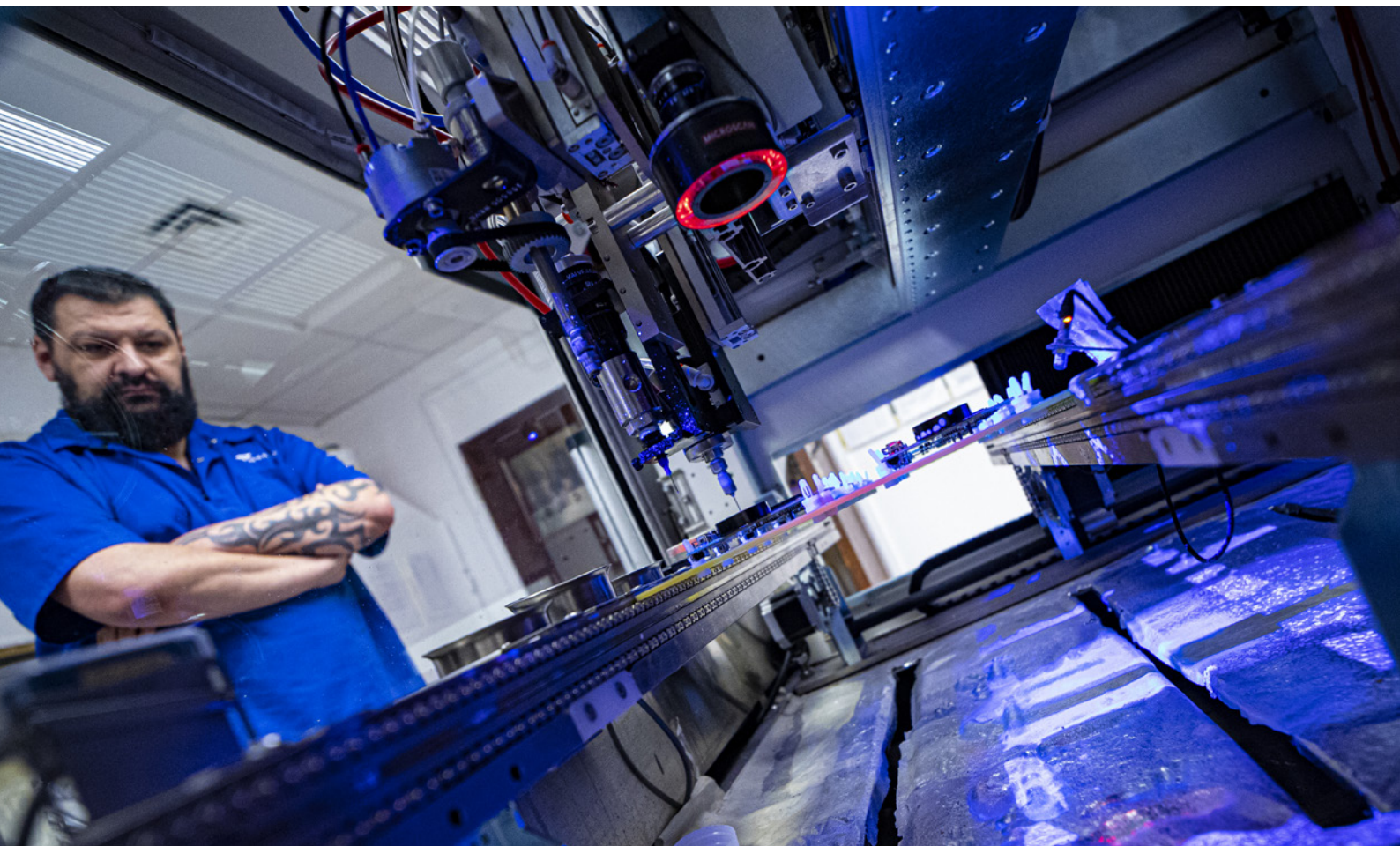
With a dedication to understanding our customers' unique needs, Nemco delivers exceptional service, quality, and on-time delivery. We aim to continually exceed expectations and serve as a valued outsourcing partner. That is how we have built up such a loyal customer base who trust Nemco to deliver for them.

For over 50 years, companies have relied on Nemco's experience in aerospace and defense PCB manufacturing. Learn more about our capabilities and industry certifications. Contact us today to discuss your specific project needs.

## Prototyping

Nemco provides full-service prototyping to help you evaluate design concepts, validate functionality, and accelerate time-to-market. Our experienced engineers can offer early involvement in your project to help us fully understand your requirements and design a product that exceeds expectations. We provide feedback on proposed designs and manufacturing processes to ensure the best possible solution is found.

Our prototyping capabilities span basic hand assembly to advanced BGA and odd-form component placement using the latest machine assembly. Test options are reviewed early on to implement efficient production testing.









# Contract electronics solutions since 1985

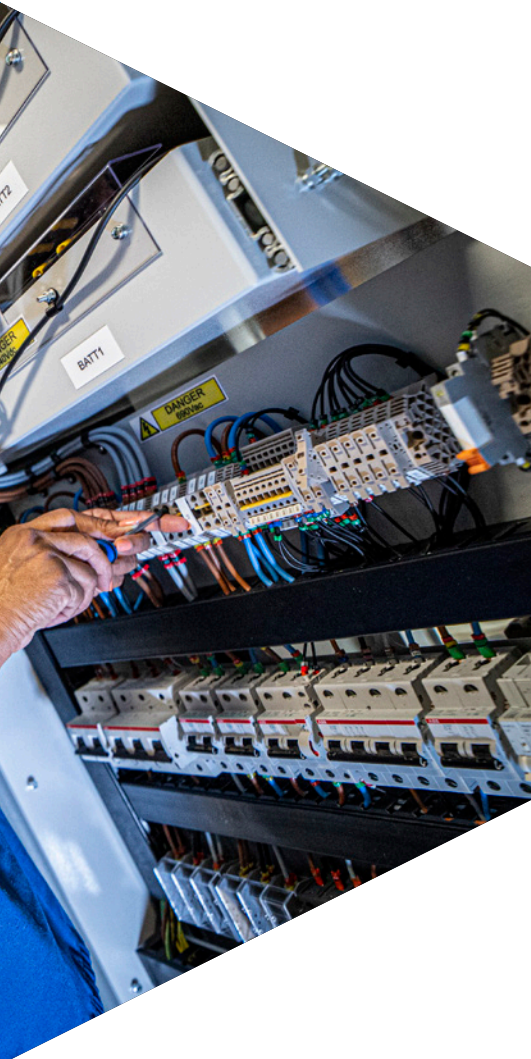
Nemco is a full-service Contract Electronics Manufacturer; our outsourcing service offers a seamless bridge between your orders and our production-line and supply chain management. We are trusted by many leading OEMs to support and manage their production, thereby reducing lead-times, increasing capabilities and most importantly, increasing profit and growth.

Extending your business with our expertise and capability is available through a simple flexible agreement which can be switched on or off to suit your customer demands. Outsourcing through Nemco negates any fixed overheads, recruitment requirements or investment.

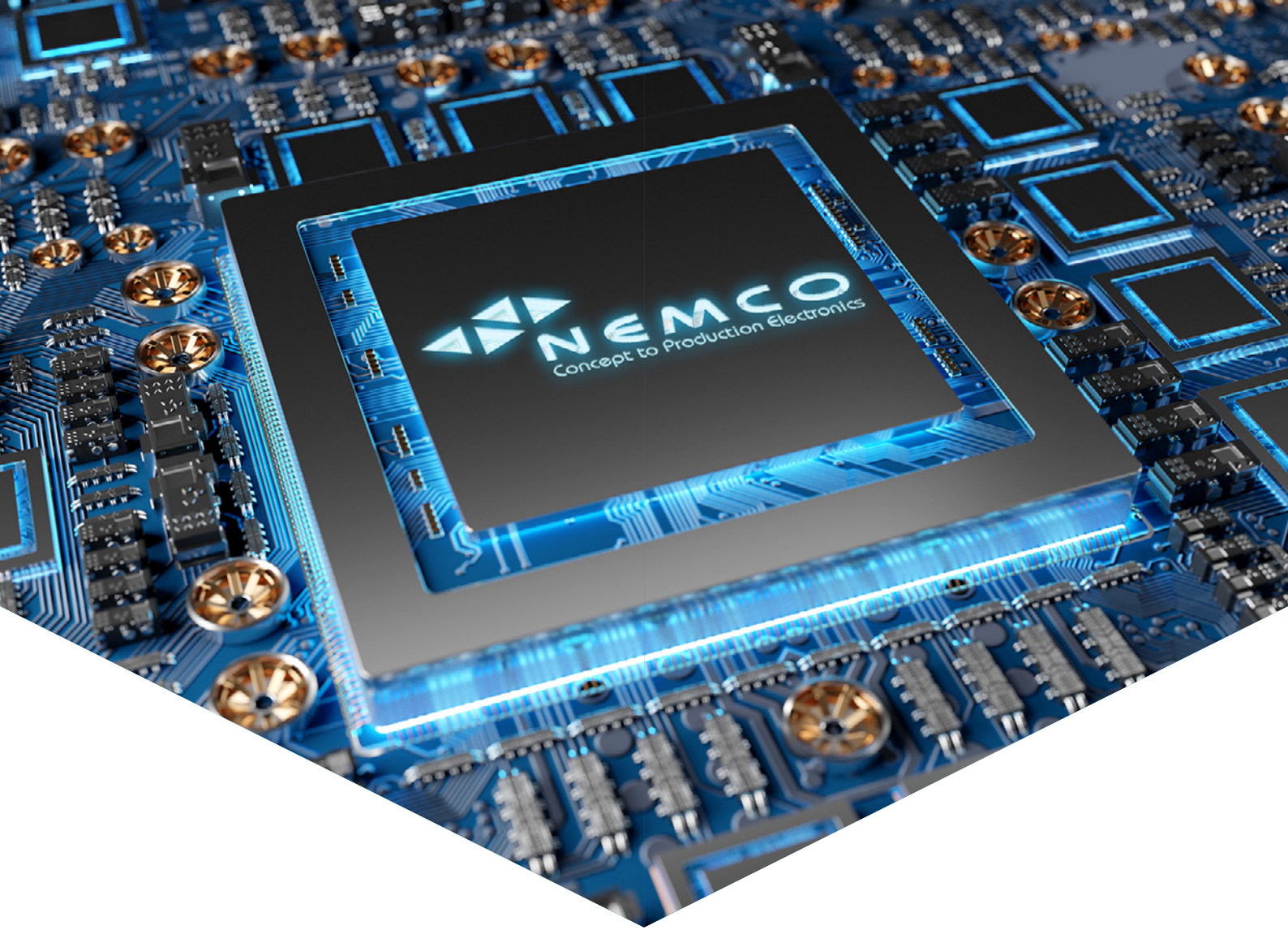
*"For 40 years, Nemco have established a reputation for quality, expertise, integrity and customer service. We continuously invest in our people and our capabilities to ensure we remain at the forefront of innovation and service long into the future."*



**Dave Pearce**  
MANAGING DIRECTOR







# NEMCO

SINCE 1985



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